

SWP Water Quality Summary

February 9 to March 8, 2006

Total Dissolved Solids: Since mid-February, TDS at Banks Pumping Plant (BPP), Check 41, Barker Slough, and Vallecitos decreased but TDS at Check 29 increased slightly during this time. On March 8, 2006 TDS was: (158 mg/l) at BPP, (192 mg/l) Check 29, (189 mg/l) Check 41, (79 mg) Barker Slough, and (169 mg/l) Vallecitos. TDS at all locations remained below Article 19 Monthly Average Objective of 440 mg/l. As of March 8, TDS declined at Barker Slough from a maximum of 254 to 79 mg/l. At BPP, TDS declined from 194 to 158 mg/l reflecting the recent rainfall and subsequent dilution of TDS in the Delta.

Bromide: Concentrations at BPP, Check 41, Barker Slough and Vallecitos decreased from 0.12 to 0.09 mg/l, 0.13 to 0.11 mg/l, 0.18 to 0.02 mg/l and 0.13 to 0.10 mg/l, respectively. All the sites exceeded the CBDA Objective of 0.05 mg/l except for recent values at Barker Slough. At the end of the reporting period (3/8/06), the highest concentrations of bromide were 0.12 mg/l at Check 29 and 0.12 mg/l at Devil Canyon.

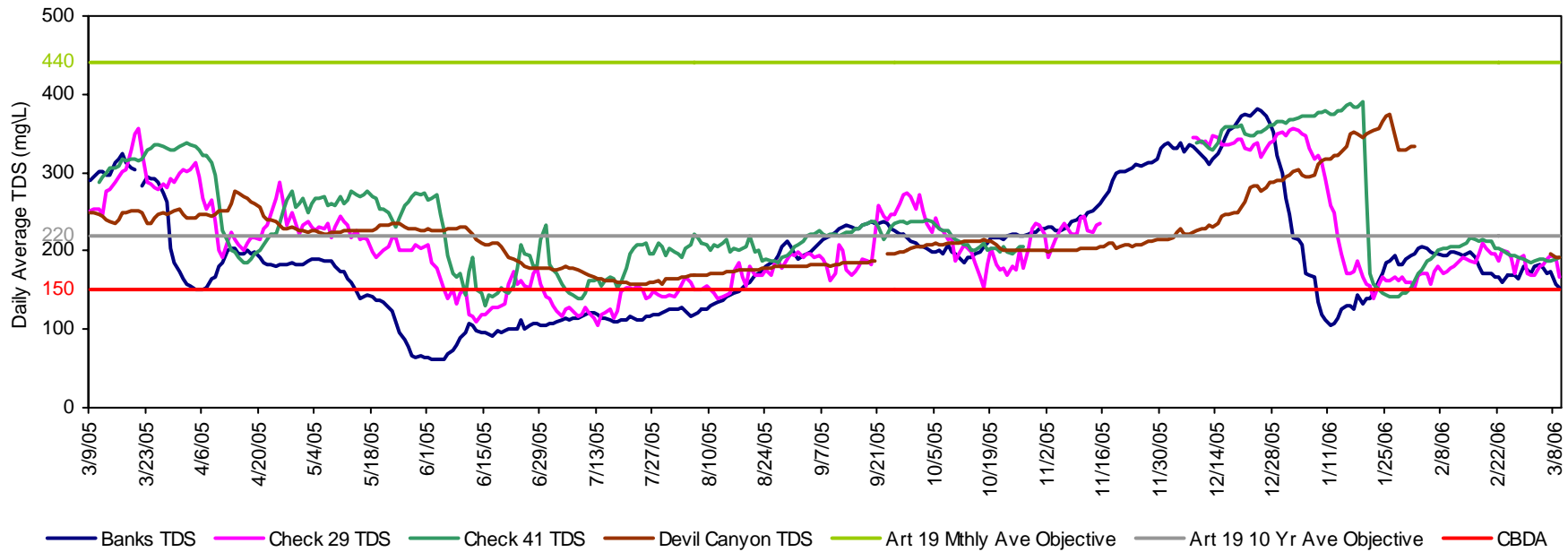
Turbidity: Turbidity increased at Check 41 and Barker Slough, probably as a result of recent storms. These storms however, did not appear to affect turbidity at BPP, Check 29, Devil Canyon and Vallecitos stations. Turbidities ranged from 3 NTUs at Devil Canyon to 138 NTUs at Barker Slough. The greatest increase of 104 NTU occurred at Barker Slough on March 8, 2006.

Dissolved Organic Carbon: Concentrations have remained above the CALFED TOC Objective of 3.0 mg/l since January 1, 2006 at BPP, Check 13 and Edmonston. DOC at BPP decreased from 5.0 to 3.1 mg/l and from 4.1 to 3.4 mg/l at Check 13. Concentrations at Edmonston appear to have remained constant at about 4.5 mg/l; however, we are looking into possible instrument malfunction. These concentrations are within the normal range for Delta water at this time of the year.

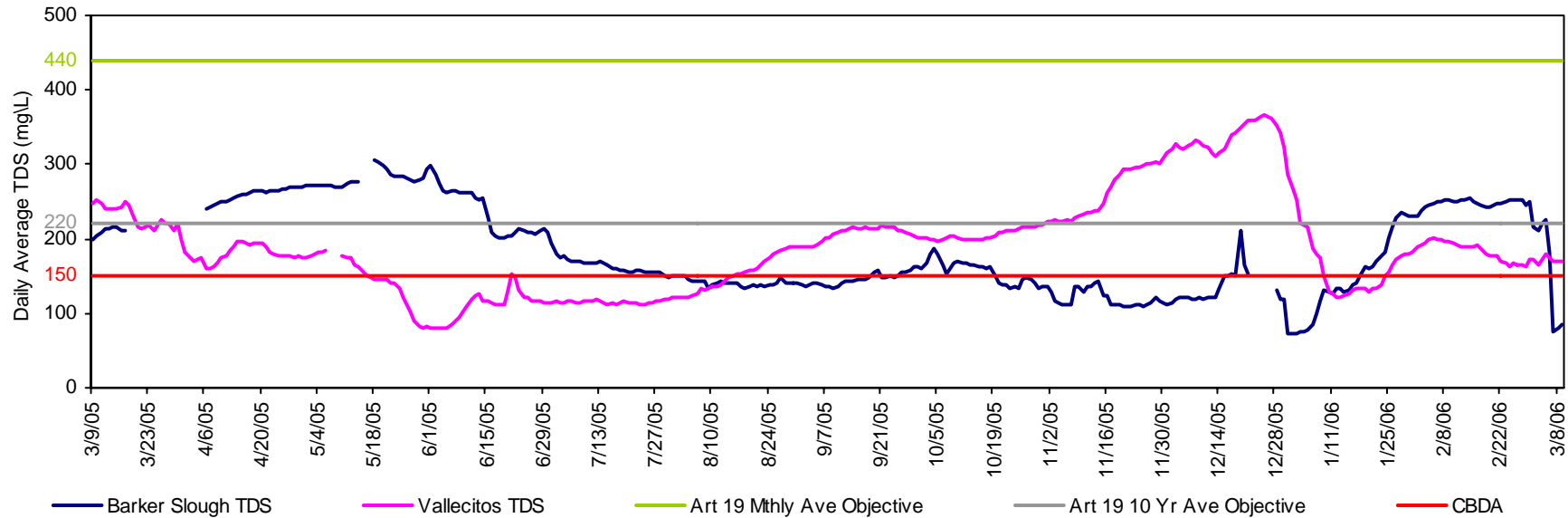
Taste and Odor Compounds: MIB and geosmin remained low project-wide since December 2005. Current 2006 MIB and geosmin levels were below detection at San Luis Reservoir intake, Pacheco Pumping Plant, Del Valle Check 7, and BPP. Geosmin was 2 ng/l at Clifton Court inlet and O'Neill ForeBay Outlet.

Ground Water Pump-in: None.

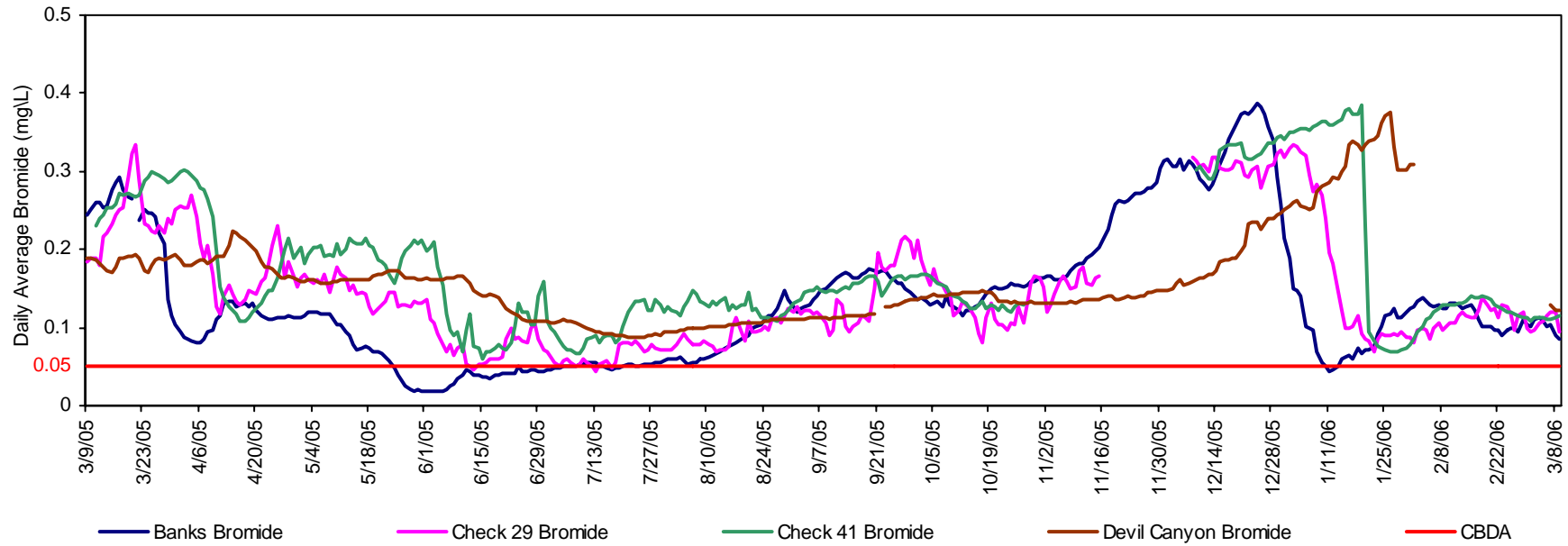
California Aqueduct - Calculated Total Dissolved Solids



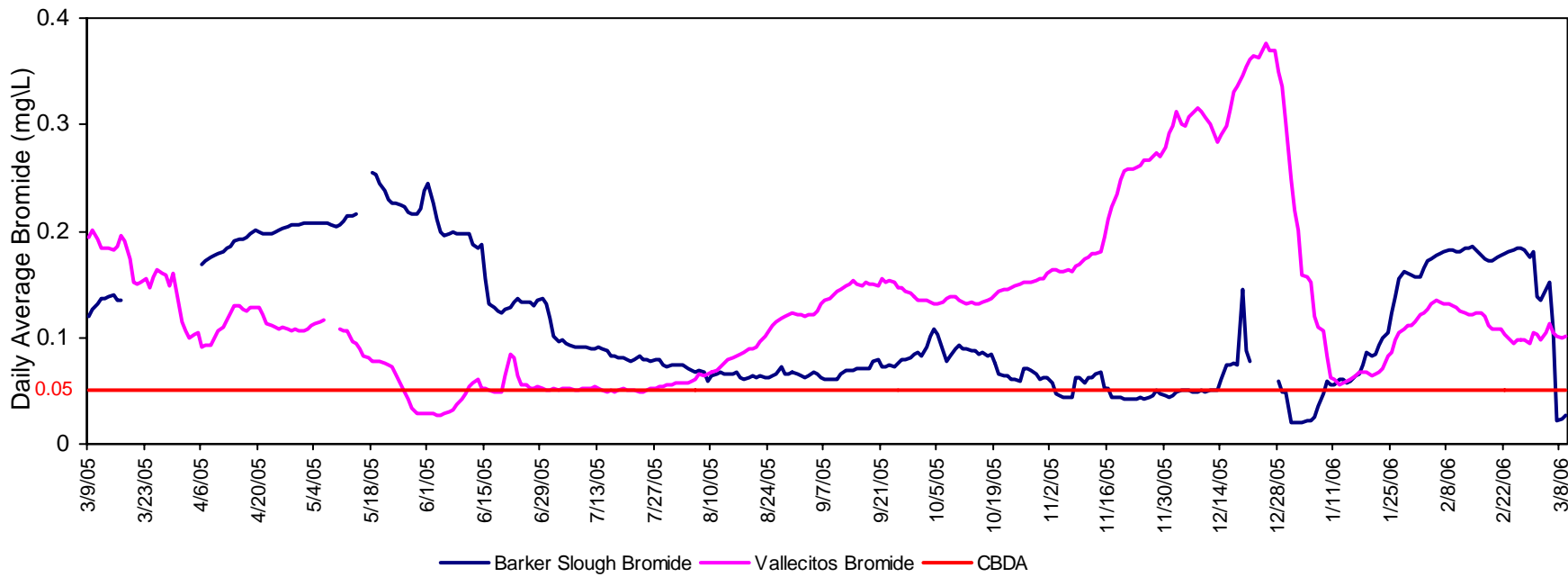
North and South Bay Aqueduct - Calculated Total Dissolved Solids



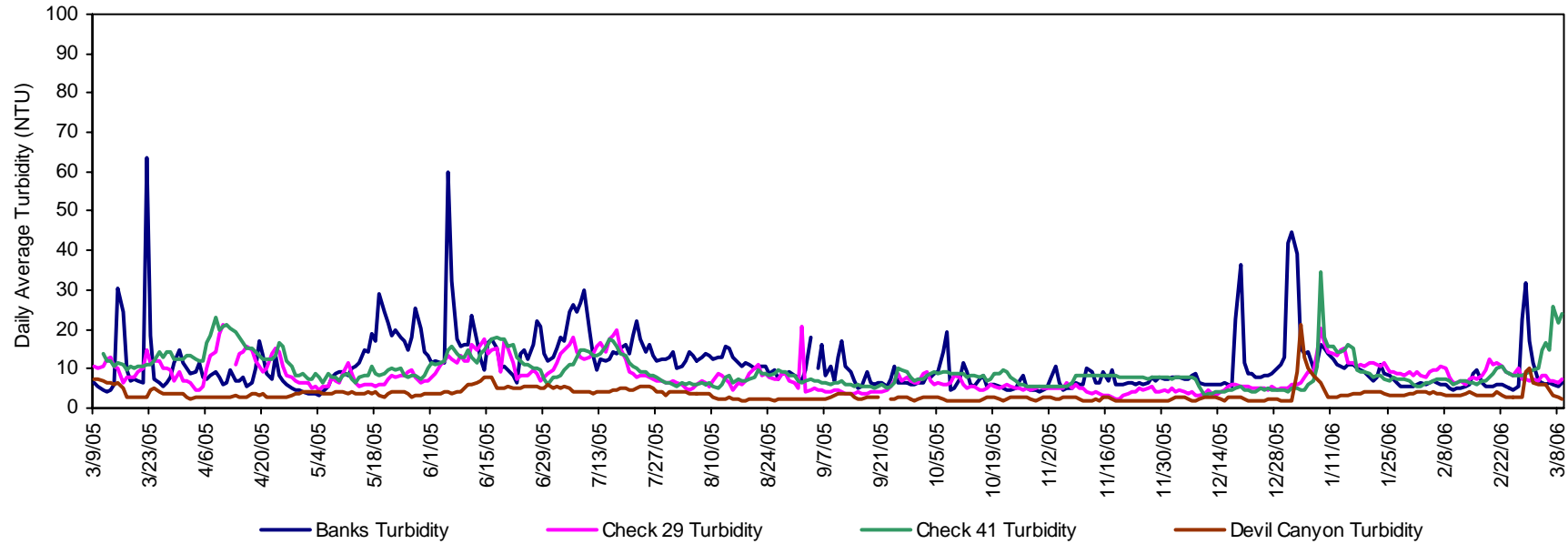
California Aqueduct - Calculated Bromide



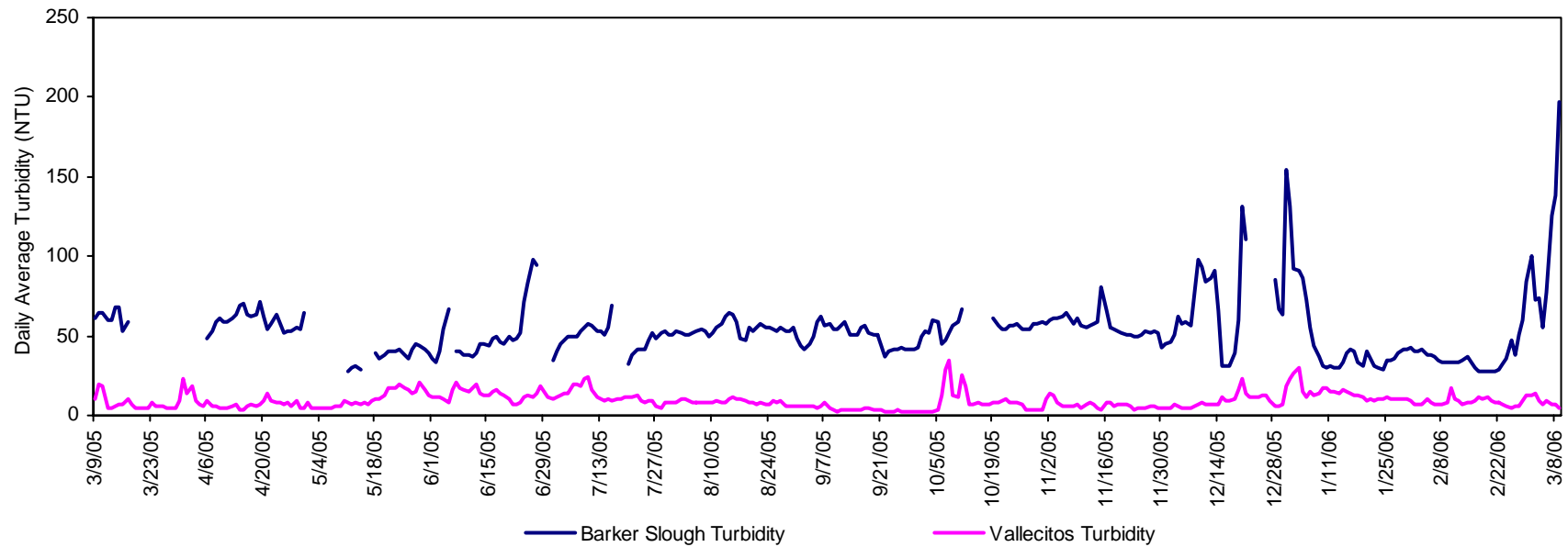
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

